

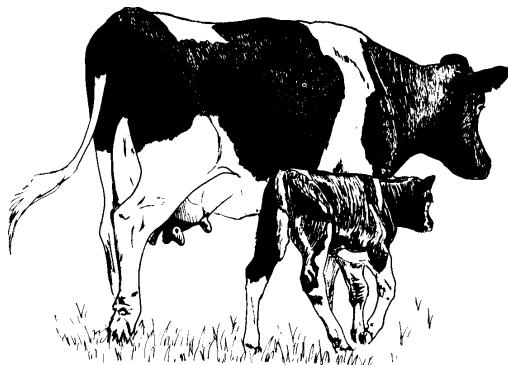
POPULATION STATISTICS: Rural and Farm Population, by State, 1990
Taken from the 1990 Census of Population and Housing

STATE	Total Population	Rural Population (including Farm Population)		Farm Population	
		Rural Population ^{1/}	Percent of Total	Farm Population ^{2/}	Percent of Total
1,000 people					
Connecticut	3,287	686	20.9	5,250	0.16
Maine	1,228	680	55.4	11,008	0.90
Massachusetts	6,016	947	15.7	9,342	0.16
New Hampshire	1,109	544	49.1	5,576	0.50
Rhode Island	1,003	140	14.0	1,124	0.11
Vermont	563	382	67.9	11,810	2.10
New England	13,206	3,379	25.6	44,110	0.33
United States	248,103	61,656	24.9	3,871,583	1.56

^{1/} Rural population is defined as persons living in the open countryside or in places with fewer than 2,500 residents that are not located within an urbanized area.

^{2/} Farm population consists of persons living on farms in rural areas. It does not include persons living on the relatively few farms that are located in urban areas. The Bureau of the Census defines a farm as any place from which \$1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the census year.

SOURCE: **Residents of Farms and Rural Areas**, 1991 (Current Population Survey publication), U.S. Department of Commerce, Bureau of the Census. Information Contact at U.S. Department of Commerce, Bureau of the Census: Customer Service 301-457-4100 or webmaster@census.gov



MILK COSTS AND RETURNS, 1999

SOURCE: **Milk Costs and Returns**, <http://www.ers.usda.gov/Briefing/farmincome/car/milk2.htm>, September 25, 2000, Economics Research Service (ERS), USDA. Information Contact at ERS, USDA: Sarah Short at 202-694-5588 or sshort@ers.usda.gov

U.S. milk production rose more than 4 percent between 1998 and 1999, yet milk prices were at a record high in 1998 and well above the decade's average in 1999. However, milk prices dropped sharply late in 1999. The gross value of milk production in 1999 fell about 7 percent from 1998 (1998-99 estimates). Lower concentrate feed prices and ample supplies of alfalfa hay were primarily responsible for a 10 percent drop in total feed costs and a 5 percent drop in total cash expenses. The net result

was that 1999 U.S. average returns over cash expenses declined about 10 percent from 1998; from \$3.42 to \$3.10 per hundredweight of milk sold. Average returns over cash expenses also declined in 4 out of the 6 regions. Only in the Southeast and Southern Plains regions did total feed costs and cash expenses drop enough for returns to increase, about 6 and 10 percent, respectively (Milk COP Regions).

MILK PRODUCTION: CASH COSTS AND RETURNS, BY REGION, 1998 - 1999

Item	United States		IA, MO, OH		NY, PA, VT		AZ, CA, WA		FL, GA		TX		MI, MN, WI	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
Dollars per Cwt														
Gross value of production:														
Milk	15.51	14.40	15.39	14.29	15.63	15.14	15.07	13.78	17.63	16.76	15.70	15.00	15.48	14.00
Cattle	0.83	0.90	1.04	1.12	0.73	0.80	0.61	0.64	0.92	0.98	0.84	0.92	0.94	1.03
Other income ^{1/}	0.55	0.54	0.47	0.46	0.43	0.41	0.56	0.55	0.51	0.50	0.36	0.35	0.68	0.66
Total, Gross Value of Production	16.89	15.84	16.90	15.87	16.79	16.35	16.24	14.97	19.06	18.24	16.90	16.27	17.10	15.69
Cash Expenses:														
Feed--														
Concentrates	4.00	3.70	4.41	4.13	4.07	3.58	2.94	3.04	5.79	5.10	5.50	4.97	4.07	3.66
By-products	0.23	0.23	0.28	0.29	0.04	0.04	0.47	0.52	0.50	0.50	0.19	0.18	0.13	0.12
Liquid Whey	0.14	0.10	0.26	0.18	0.15	0.10	0.05	0.03	0.05	0.04	0.01	0.01	0.18	0.12
Hay	1.60	1.40	1.64	1.56	1.48	1.66	2.34	2.01	0.77	0.67	2.56	2.04	1.14	0.82
Silage	1.43	1.26	1.28	1.18	2.03	2.24	0.95	0.84	1.09	0.96	0.13	0.10	1.67	1.18
Pasture and other forage	0.11	0.10	0.13	0.13	0.03	0.03	0.12	0.09	0.06	0.06	0.10	0.10	0.14	0.16
Total Feed Costs	7.51	6.79	8.00	7.47	7.80	7.65	6.87	6.53	8.26	7.33	8.49	7.40	7.33	6.06
Other--														
Hauling	0.45	0.46	0.45	0.46	0.69	0.70	0.38	0.41	0.95	0.94	0.53	0.57	0.29	0.29
Artificial insemination	0.15	0.15	0.12	0.12	0.20	0.20	0.11	0.12	0.12	0.12	0.04	0.04	0.17	0.18
Veterinary and medicine	0.39	0.40	0.41	0.41	0.44	0.46	0.20	0.21	0.49	0.48	0.17	0.19	0.49	0.49
Bedding and litter	0.25	0.25	0.32	0.32	0.38	0.37	0.05	0.06	0.00	0.00	0.00	0.00	0.34	0.33
Marketing	0.37	0.38	0.31	0.32	0.45	0.47	0.44	0.46	0.52	0.52	0.24	0.26	0.29	0.29
Custom services and supplies	0.43	0.44	0.39	0.40	0.55	0.56	0.39	0.41	0.64	0.64	0.28	0.30	0.39	0.39
Fuel, lube, and electricity	0.49	0.48	0.52	0.51	0.65	0.62	0.26	0.28	0.31	0.31	0.44	0.43	0.56	0.55
Machinery and building repairs	0.85	0.87	0.99	1.01	1.01	1.02	0.32	0.34	0.67	0.70	0.47	0.49	1.13	1.14
Hired labor	0.57	0.55	0.54	0.52	0.57	0.53	0.52	0.51	1.27	1.21	0.72	0.67	0.50	0.49
DHIA fees	0.08	0.08	0.07	0.07	0.10	0.10	0.07	0.07	0.05	0.06	0.04	0.05	0.08	0.08
Total, Variable Cash Expenses	11.54	10.85	12.12	11.61	12.84	12.68	9.61	9.40	13.28	12.31	11.42	10.40	11.57	10.29
General Farm Overhead	0.62	0.60	0.66	0.64	0.61	0.60	0.39	0.38	0.74	0.72	0.53	0.51	0.75	0.73
Taxes and insurance	0.36	0.31	0.33	0.28	0.48	0.41	0.14	0.12	0.40	0.34	0.18	0.16	0.46	0.39
Interest	0.95	0.98	0.79	0.82	0.87	0.90	0.71	0.73	0.67	0.68	0.67	0.69	1.29	1.33
Total, Fixed Cash Expenses	1.93	1.89	1.78	1.74	1.96	1.91	1.24	1.23	1.81	1.74	1.38	1.36	2.50	2.45
TOTAL, CASH EXPENSES	13.47	12.74	13.90	13.35	14.80	14.59	10.85	10.63	15.09	14.05	12.80	11.76	14.07	12.74
Gross Value of Production														
Less Cash Expenses	3.42	3.10	3.00	2.52	1.99	1.76	5.39	4.34	3.97	4.19	4.10	4.51	3.03	2.95

^{1/} Includes the dairy's share of receipts from cooperative patronage dividends, assessment refunds, renting or leasing of dairy animals, the estimated value of manure as a fertilizer, and insurance indemnity payments.

SOURCE: **Milk Costs and Returns**, <http://www.ers.usda.gov/Briefing/farmincome/car/milk2.htm>, September 25, 2000, Economics Research Service (ERS), USDA. Information Contact at ERS, USDA: Sarah Short at 202-694-5588 or sshort@ers.usda.gov

MILK PRODUCTION: ECONOMIC COSTS AND RETURNS, BY REGION, 1998-1999

Item	United States		IA, MO, OH		NY, PA, VT		AZ, CA, WA		FL, GA		TX		MI, MN, WI	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
Dollars per Cwt														
Gross value of production:														
Milk	15.51	14.40	15.39	14.29	15.63	15.14	15.07	13.78	17.63	16.76	15.70	15.00	15.48	14.00
Cattle	0.83	0.90	1.04	1.12	0.73	0.80	0.61	0.64	0.92	0.98	0.84	0.92	0.94	1.03
Other income ^{1/}	0.55	0.54	0.47	0.46	0.43	0.41	0.56	0.55	0.51	0.50	0.36	0.35	0.68	0.66
Total, Gross Value of Production	16.89	15.84	16.90	15.87	16.79	16.35	16.24	14.97	19.06	18.24	16.90	16.27	17.10	15.69
Economic (Full Ownership) Costs:														
Variable cash expenses	11.54	10.85	12.12	11.61	12.84	12.68	9.61	9.40	13.28	12.31	11.42	10.40	11.57	10.29
General farm overhead	0.62	0.60	0.66	0.64	0.61	0.60	0.39	0.38	0.74	0.72	0.53	0.51	0.75	0.73
Taxes and insurance	0.36	0.31	0.33	0.28	0.48	0.41	0.14	0.12	0.40	0.34	0.18	0.16	0.46	0.39
Capital replacement	2.10	2.17	2.21	2.25	2.07	2.12	1.34	1.44	2.51	2.66	1.99	2.13	2.53	2.57
Operating capital	0.10	0.09	0.10	0.09	0.11	0.10	0.08	0.07	0.11	0.09	0.10	0.08	0.10	0.08
Other nonland capital	0.87	0.85	0.87	0.84	0.82	0.80	0.56	0.57	1.47	1.49	0.79	0.81	1.03	0.99
Land	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01
Unpaid labor	1.65	1.59	2.68	2.54	2.38	2.23	0.43	0.43	0.31	0.29	0.83	0.77	1.95	1.86
Total, Economic Costs	17.25	16.47	18.98	18.26	19.31	18.94	12.56	12.42	18.83	17.91	15.84	14.86	18.40	16.92
Residual Returns to Mgmt and Risk	-0.36	-0.63	-2.08	-2.39	-2.52	-2.59	3.68	2.55	0.23	0.33	1.06	1.41	-1.30	-1.23

^{1/} Includes the dairy's share of receipts from cooperative patronage dividends, assessment refunds, renting or leasing of dairy animals, the estimated value of manure as a fertilizer, and insurance indemnity payments.

SOURCE: **Milk Costs and Returns**, <http://www.ers.usda.gov/Briefing/farmincome/car/milk2.htm>, September 25, 2000, Economics Research Service (ERS), USDA. Information Contact at ERS, USDA: Sarah Short at 202-694-5588 or sshort@ers.usda.gov

MILK PRODUCTION: CASH COSTS AND RETURNS, NORTHEAST^{1/}, 1994 - 1999

Item	1994	1995	1996	1997	1998	1999
Dollars per Cwt						
Gross value of production:						
Milk	13.64	13.26	15.19	13.74	15.63	15.14
Cattle	0.88	0.78	0.69	0.75	0.73	0.80
Other income ^{2/}	0.40	0.50	0.51	0.46	0.43	0.41
Total, Gross Value of Production	14.92	14.54	16.39	14.95	16.79	16.35
Cash Expenses:						
Feed-						
Concentrates	3.56	3.48	4.04	4.42	4.07	3.58
By-products	0.04	0.04	0.04	0.04	0.04	0.04
Liquid Whey	0.12	0.13	0.14	0.14	0.15	0.10
Hay	1.37	1.29	1.37	1.68	1.48	1.66
Silage	1.85	1.76	1.84	2.26	2.03	2.24
Pasture and other forage	0.02	0.03	0.03	0.03	0.03	0.03
Total Feed Costs	6.96	6.73	7.46	8.57	7.80	7.65
Other--						
Hauling	0.70	0.75	0.68	0.69	0.69	0.70
Artificial insemination	0.20	0.21	0.20	0.20	0.20	0.20
Veterinary and medicine	0.45	0.49	0.44	0.45	0.44	0.46
Bedding and litter	0.35	0.38	0.37	0.35	0.38	0.37
Marketing	0.46	0.49	0.45	0.46	0.45	0.47
Custom services and supplies	0.57	0.60	0.54	0.55	0.55	0.56
Fuel, lube, and electricity	0.63	0.65	0.70	0.69	0.65	0.62
Machinery and building repairs	0.92	0.95	0.93	0.99	1.01	1.02
Hired labor	0.64	0.64	0.61	0.58	0.57	0.53
DHIA fees	0.10	0.11	0.10	0.10	0.10	0.10
Total, Variable Cash Expenses	12.15	12.16	12.51	13.63	12.84	12.68
General Farm Overhead	0.52	0.55	0.53	0.60	0.61	0.60
Taxes and insurance	0.40	0.40	0.44	0.43	0.48	0.41
Interest	0.68	0.77	0.79	0.76	0.87	0.90
Total, Fixed Cash Expenses	1.60	1.72	1.76	1.79	1.96	1.91
TOTAL, CASH EXPENSES	13.75	13.88	14.27	15.42	14.80	14.59
Gross Value of Production	1.17	0.66	2.12	-0.47	1.99	1.76
Less Cash Expenses						

^{1/} Includes New York, Pennsylvania, and Vermont.^{2/} Includes the dairy's share of receipts from cooperative patronage dividends, assessment refunds, renting or leasing of dairy animals, the estimated value of manure as a fertilizer, and insurance indemnity payments.SOURCE: **Milk Costs and Returns**, <http://www.ers.usda.gov/Briefing/farmincome/car/milk2.htm>, September 25, 2000, Economics Research Service (ERS), USDA. Information Contact at ERS, USDA: Sarah Short at 202-694-5588 or sshort@ers.usda.gov**MILK PRODUCTION: ECONOMIC COSTS AND RETURNS, NORTHEAST^{1/}, 1994 - 1999**

Item	1994	1995	1996	1997	1998	1999
Dollars per Cwt						
Gross value of production:						
Milk	13.64	13.26	15.19	13.74	15.63	15.14
Cattle	0.88	0.78	0.69	0.75	0.73	0.80
Other income ^{2/}	0.40	0.50	0.51	0.46	0.43	0.41
Total, Gross Value of Production	14.92	14.54	16.39	14.95	16.79	16.35
Economic (Full Ownership) Costs:						
Variable cash expenses	12.15	12.16	12.51	13.63	12.84	12.68
General farm overhead	0.52	0.55	0.53	0.60	0.61	0.60
Taxes and insurance	0.40	0.40	0.44	0.43	0.48	0.41
Capital replacement	2.05	2.09	2.02	2.14	2.07	2.12
Operating capital	0.10	0.12	0.11	0.12	0.11	0.10
Other nonland capital	0.89	0.91	0.83	0.94	0.82	0.80
Land	0.00	0.00	0.00	0.00	0.00	0.00
Unpaid labor	1.57	2.66	2.56	2.44	2.38	2.23
Total, Economic Costs	17.68	18.89	19.00	20.30	19.31	18.94
Residual Returns to Mgmt and Risk	-2.76	-4.35	-2.61	-5.35	-2.52	-2.59

^{1/} Includes New York, Pennsylvania, and Vermont.^{2/} Includes the dairy's share of receipts from cooperative patronage dividends, assessment refunds, renting or leasing of dairy animals, the estimated value of manure as a fertilizer, and insurance indemnity payments.SOURCE: **Milk Costs and Returns**, <http://www.ers.usda.gov/Briefing/farmincome/car/milk2.htm>, September 25, 2000, Economics Research Service (ERS), USDA. Information Contact at ERS, USDA: Sarah Short at 202-694-5588 or sshort@ers.usda.gov

MILK PRODUCTION: CASH COSTS AND RETURNS, UNITED STATES, 1994 - 1999

Item	1994	1995	1996	1997	1998	1999
Dollars per Cwt						
Gross value of production:						
Milk	12.99	12.80	14.78	13.43	15.51	14.40
Cattle	1.00	0.87	0.78	0.85	0.83	0.90
Other income ^{1/}	0.51	0.60	0.61	0.59	0.55	0.54
Total, Gross Value of Production	14.50	14.27	16.17	14.87	16.89	15.84
Cash Expenses:						
Feed--						
Concentrates	3.69	3.51	4.09	4.42	4.00	3.70
By-products	0.21	0.21	0.21	0.23	0.23	0.23
Liquid Whey	0.11	0.12	0.13	0.13	0.14	0.10
Hay	1.63	1.45	1.60	1.82	1.60	1.40
Silage	1.41	1.25	1.37	1.68	1.43	1.26
Pasture and other forage	0.12	0.12	0.13	0.12	0.11	0.10
Total Feed Costs	7.17	6.66	7.53	8.40	7.51	6.79
Other--						
Hauling	0.45	0.46	0.44	0.45	0.45	0.46
Artificial insemination	0.15	0.15	0.14	0.15	0.15	0.15
Veterinary and medicine	0.38	0.38	0.36	0.39	0.39	0.40
Bedding and litter	0.23	0.24	0.23	0.25	0.25	0.25
Marketing	0.37	0.38	0.36	0.37	0.37	0.38
Custom services and supplies	0.43	0.43	0.42	0.43	0.43	0.44
Fuel, lube, and electricity	0.49	0.49	0.53	0.53	0.49	0.48
Machinery and building repairs	0.76	0.78	0.76	0.83	0.85	0.87
Hired labor	0.67	0.64	0.62	0.59	0.57	0.55
DHIA fees	0.08	0.08	0.07	0.08	0.08	0.08
Total, Variable Cash Expenses	11.35	10.85	11.49	12.47	11.54	10.85
General Farm Overhead	0.52	0.54	0.53	0.60	0.62	0.60
Taxes and insurance	0.29	0.29	0.33	0.32	0.36	0.31
Interest	0.74	0.83	0.85	0.83	0.95	0.98
Total, Fixed Cash Expenses	1.55	1.66	1.71	1.75	1.93	1.89
TOTAL, CASH EXPENSES	12.90	12.51	13.20	14.22	13.47	12.74
Gross Value of Production						
Less Cash Expenses	1.60	1.76	2.97	0.65	3.42	3.10

^{1/} Includes the dairy's share of receipts from cooperative patronage dividends, assessment refunds, renting or leasing of dairy animals, the estimated value of manure as a fertilizer, and insurance indemnity payments.

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MILK PRODUCTION: ECONOMIC COSTS AND RETURNS, UNITED STATES, 1994 - 1999

Item	1994	1995	1996	1997	1998	1999
Dollars per Cwt						
Gross value of production:						
Milk	12.99	12.80	14.78	13.43	15.51	14.40
Cattle	1.00	0.87	0.78	0.85	0.83	0.90
Other income ^{1/}	0.51	0.60	0.61	0.59	0.55	0.54
Total, Gross Value of Production	14.50	14.27	16.17	14.87	16.89	15.84
Economic (Full Ownership) Costs:						
Variable cash expenses	11.35	10.85	11.49	12.47	11.54	10.85
General farm overhead	0.52	0.54	0.53	0.60	0.62	0.60
Taxes and insurance	0.29	0.29	0.33	0.32	0.36	0.31
Capital replacement	2.03	2.07	2.01	2.15	2.10	2.17
Operating capital	0.09	0.10	0.10	0.11	0.10	0.09
Other nonland capital	0.92	0.94	0.87	0.99	0.87	0.85
Land	0.00	0.01	0.00	0.00	0.01	0.01
Unpaid labor	1.29	1.85	1.80	1.73	1.65	1.59
Total, Economic Costs	16.49	16.65	17.13	18.37	17.25	16.47
Residual Returns to Mgmt and Risk	-1.99	-2.38	-0.96	-3.50	-0.36	-0.63

^{1/} Includes the dairy's share of receipts from cooperative patronage dividends, assessment refunds, renting or leasing of dairy animals, the estimated value of manure as a fertilizer, and insurance indemnity payments.

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